IN THE CLAIMS

1-20 (Cancelled)

21. (New) A radio control system in a wireless communication device, the radio control system comprising:

a sensor operable to detect a change in a use mode of the wireless communication device during a communication session according to a pre-determined list of conditions, the use mode being one of a plurality of use modes that the communication device can operate in;

a power controller connected to the sensor operable to determine a power configuration according to the use mode detected, the power configuration adjusted to balance radio frequency coverage of a signal to be transmitted and human radiation absorption, the power controller further operable to determine a new power configuration according to a change in the use mode during an active communication session, where the new use mode is different from the previous use mode; and

a power regulator connected to the power controller, the power regulator operable to apply the power configuration determined by the power controller to the signal to be transmitted,

each use mode of the plurality of use modes being a different scenario in which the wireless communication device can be used.

22. (New) The radio control system of claim 21 wherein the human radiation absorption is balanced by adjusting the Specific Absorption Rate (SAR) of the radiation absorption.

23. (New) The radio control system of claim 21 further comprising an antenna connected to the power regulator.

24. (New) The radio control system of claim 22 wherein the antenna is movable.

25. (New) The radio control system of claim 22 wherein the surrounding structure of the antenna is movable.

26. (New) The radio control system of claim 23 wherein the sensor is connected to the antenna, and is operable to detect the position of the antenna as the change in use mode.

27. (New) The radio control system of claim 21 wherein the power controller further comprises a transmitter connected to the power controller.

28. (New) The radio control system of claim 21 wherein the power controller further comprises a memory comprising an interrupt service routine that is triggered by the sensor, the interrupt service routine determining the power configuration based on the sensed change in use mode.

29. (New) The radio control system of claim 21 wherein the power configuration comprises a maximum transmit power level.

30. (New) The radio control system of claim 21 wherein the power configuration comprises a minimum transmit power level.

31. (New) The radio control system of claim 21, wherein the wireless communication device is capable of operating in a use mode selected from the group consisting of: an In Holster use mode; an In Hand use mode, a By Head use mode, an In Cradle use mode; an In Vehicle-Cradle use mode; an Antenna Drawn use mode; an External Antenna use mode; a Device Lid Opened use mode; a Headset Connected use mode; and a User Keyboard Activity use mode.

32. (New) The radio controller system of claim 21 wherein the power controller comprises a plurality of radio configuration modules operable to alter a power control attribute.

33. (New) A method of controlling a power configuration in a wireless communication device, comprising:

detecting a use mode from a plurality of possible use modes during a communication session according to a pre-determined list of conditions;

determining the power configuration for the wireless communication device according to the detected use mode;

applying the power configuration to the signal to be transmitted;

detecting a second use mode from a plurality of possible use modes during the same communication session;

determining a second power configuration for the wireless communication device according to the second use mode; and applying the second power configuration to the signal to be transmitted during the same communication session.

34. (New) The method of claim 31 wherein the power configuration does not exceed 1.6 mW/g.

35. (New) The method of claim 31 wherein the use mode is a position of the antenna.

36. (New) The method of claim 31 wherein the use mode is the wireless communication device set in a holster.

37. (New) The method of claim 31 wherein the use mode is the wireless communication device held in a hand.

38. (New) The method of claim 31 wherein the use mode is the wireless communication device held near a head.

39. (New) The method of claim 31 wherein method comprises limiting a maximum and a minimum power level.

40. (New) The method of claim 31 wherein the method comprises amending power level offsets accounting for an antenna gain change caused by the change in use mode.

41. (New) The method of claim 31 further comprising triggering an interrupt service routine wherein the interrupt service routine determines the power configuration based on the use mode.